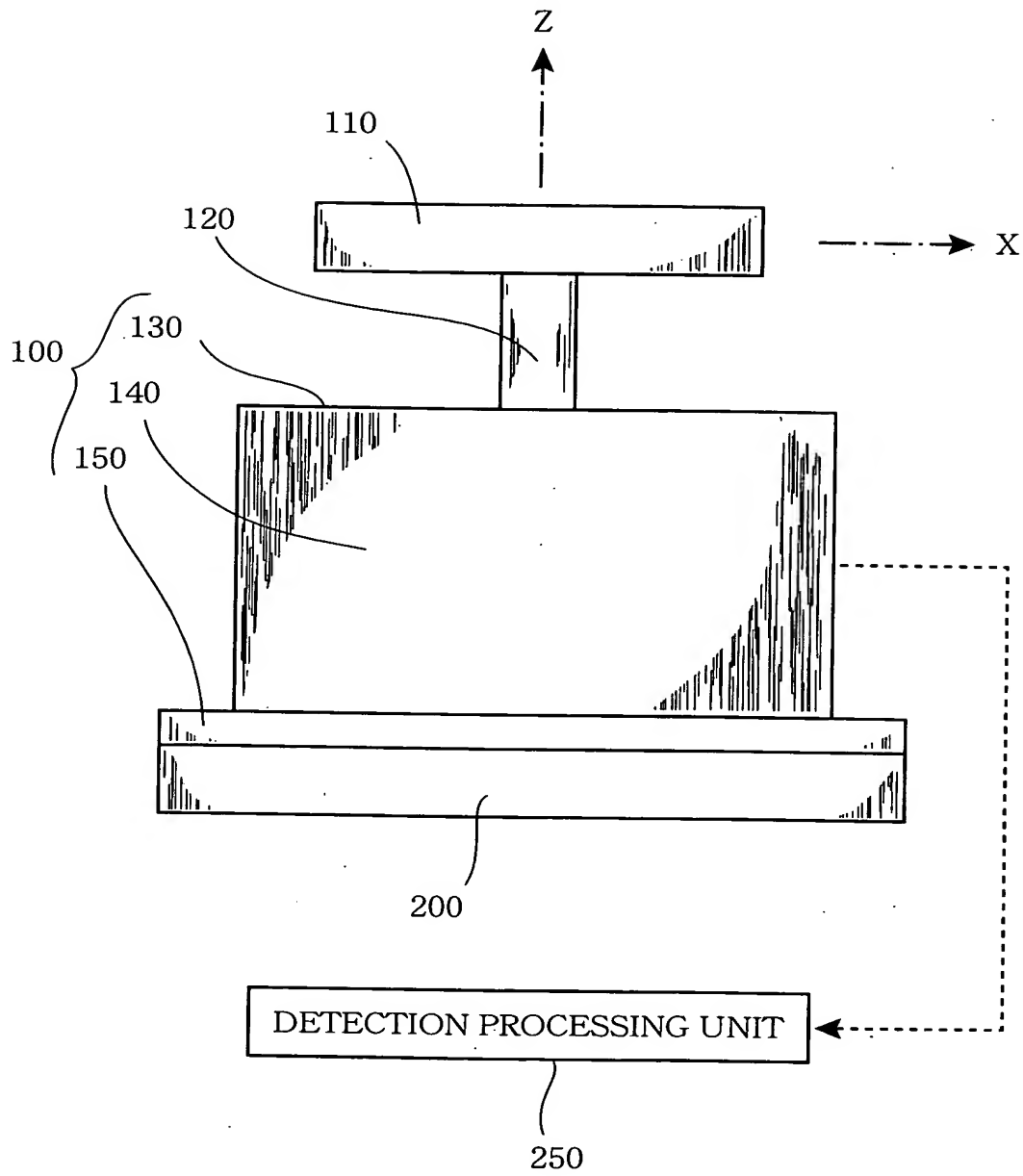


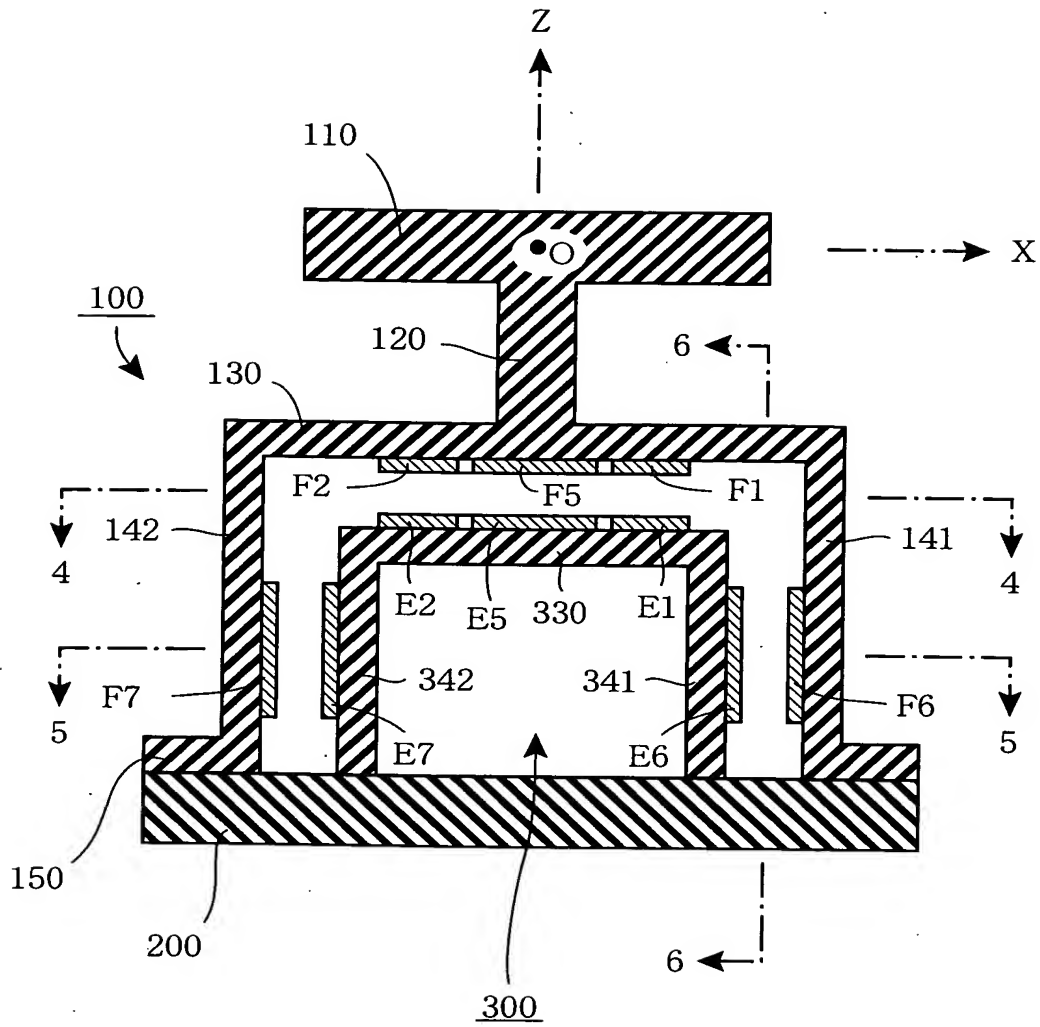
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Fig.1



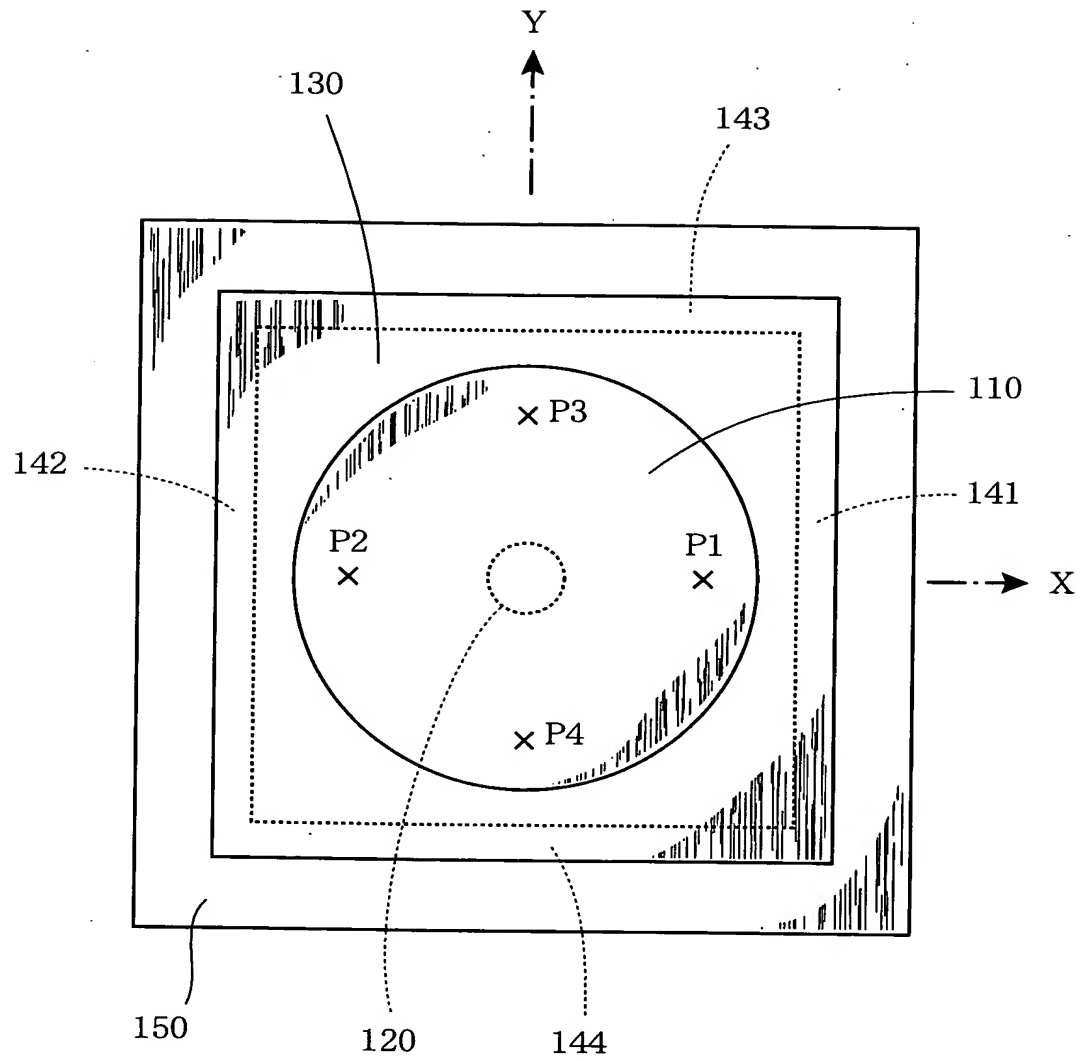
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Fig.2



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Fig.3



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Fig.4

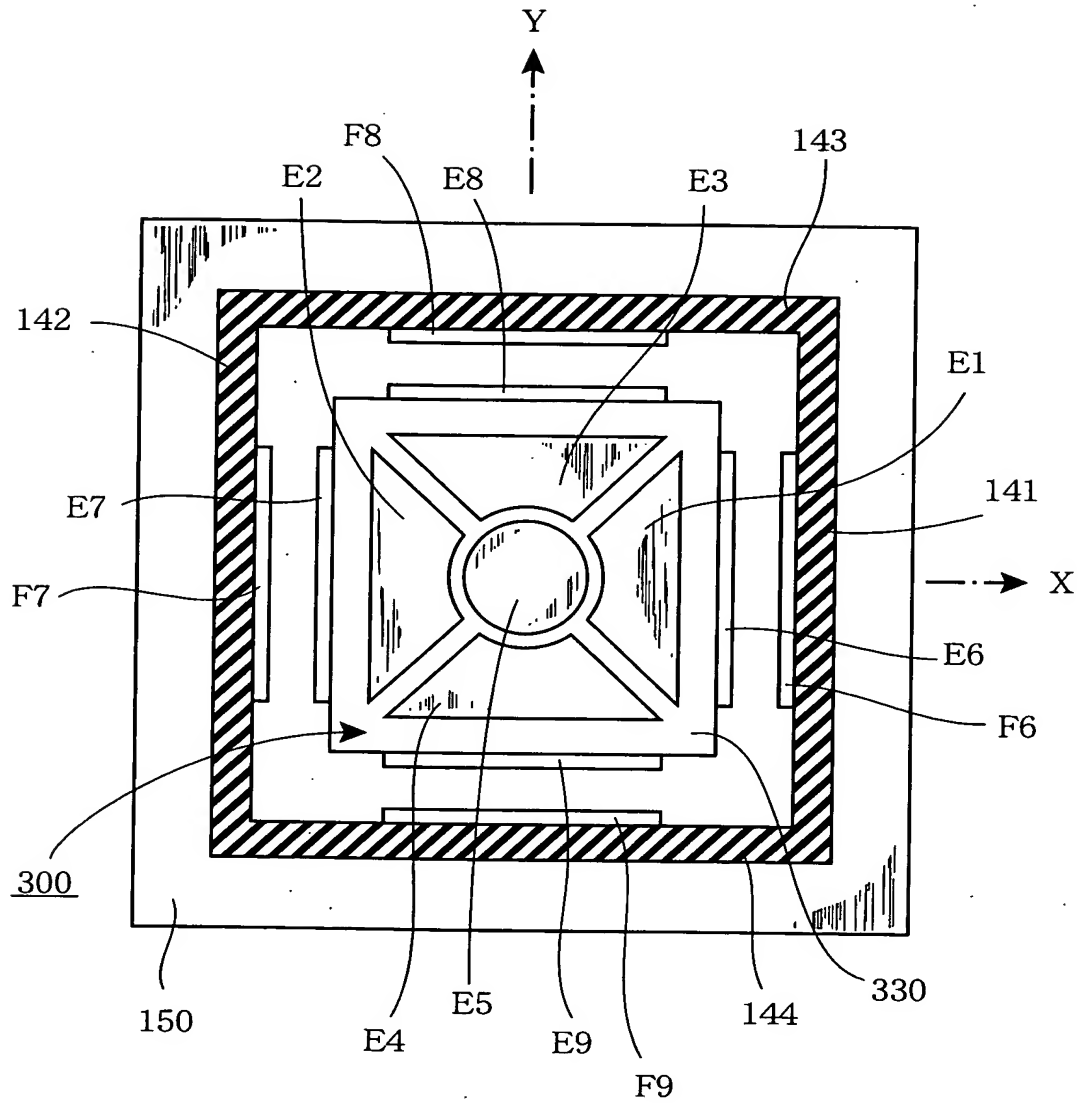
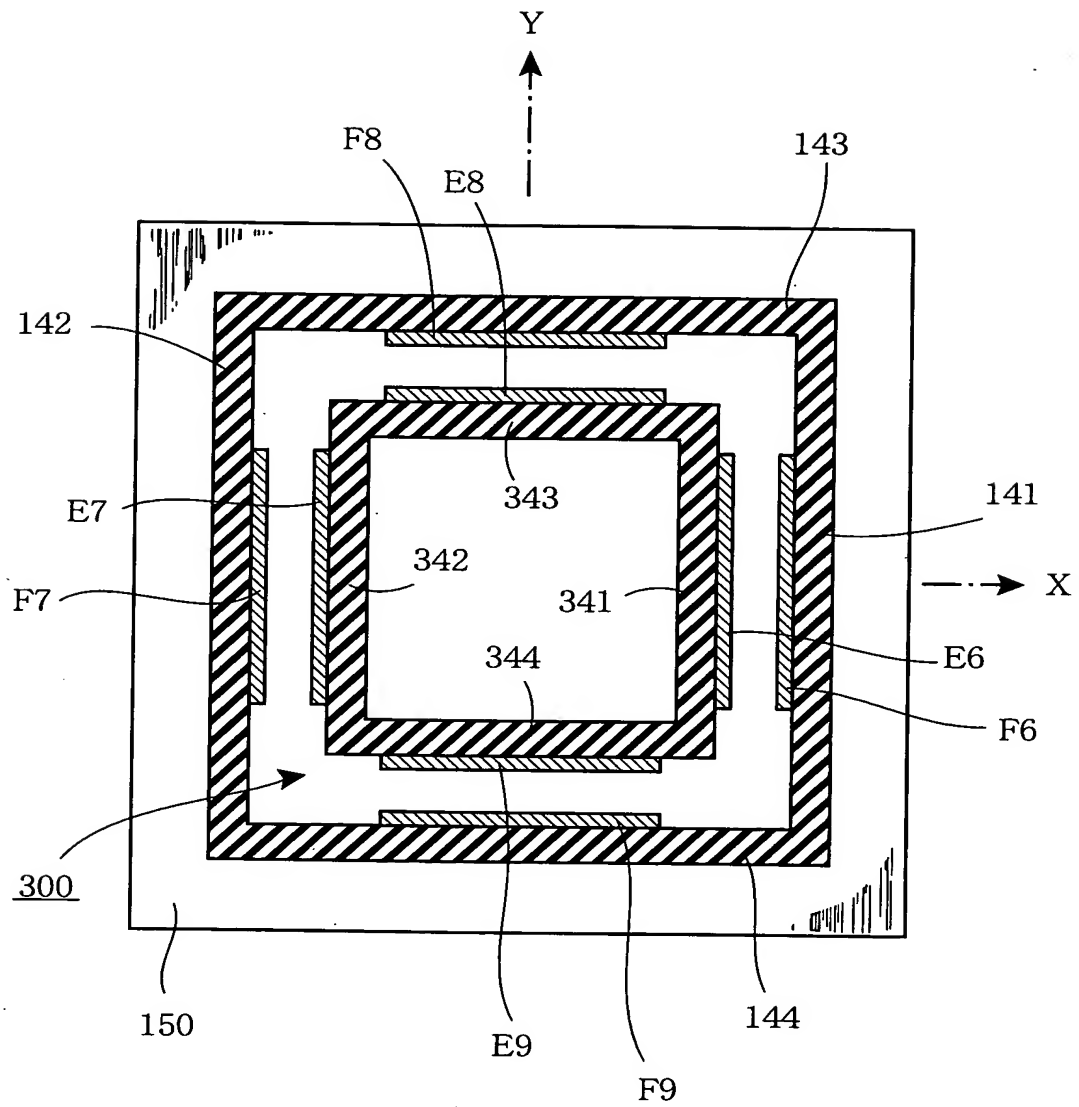
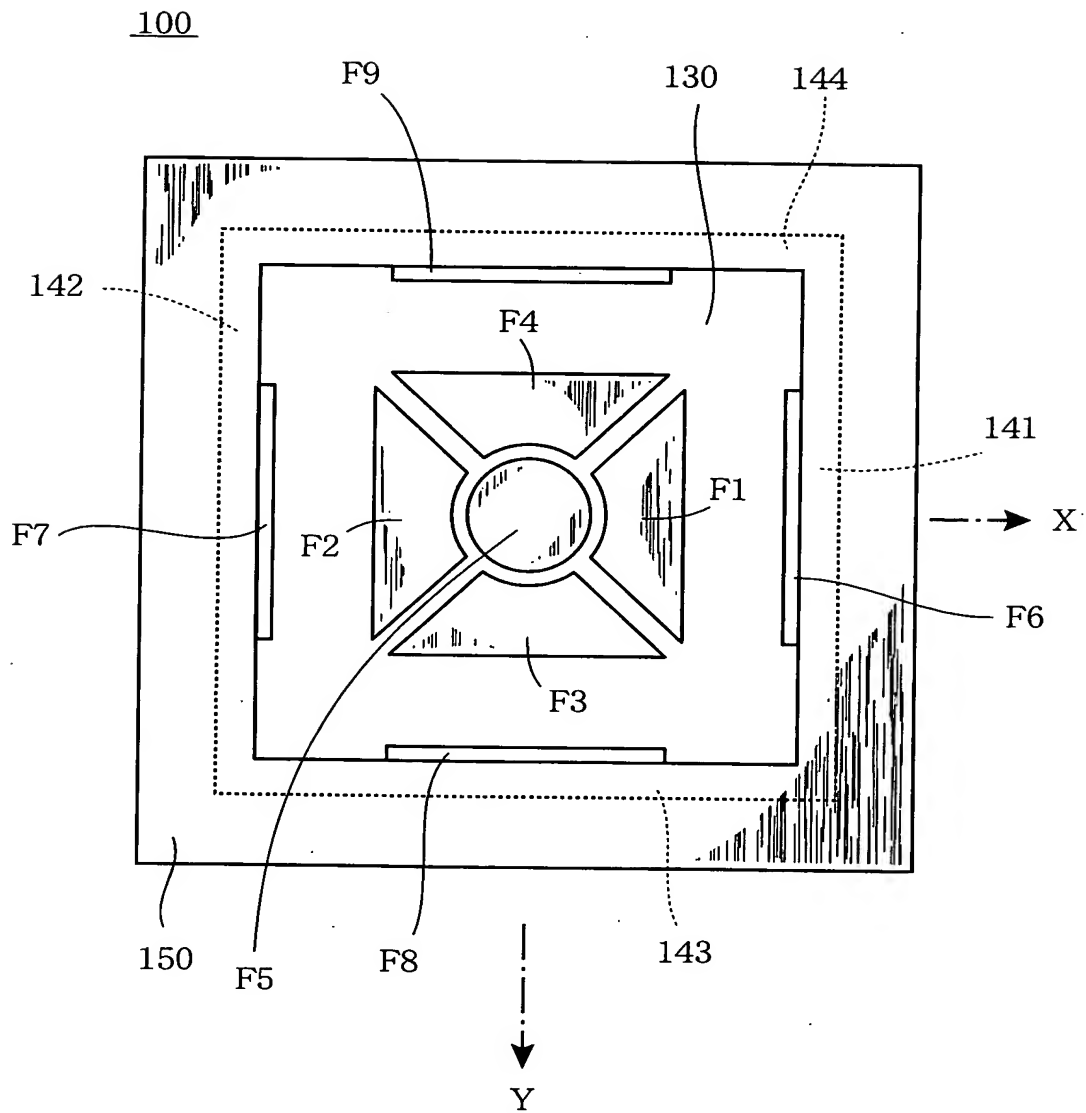


Fig.5



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Fig.7



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Fig.8A

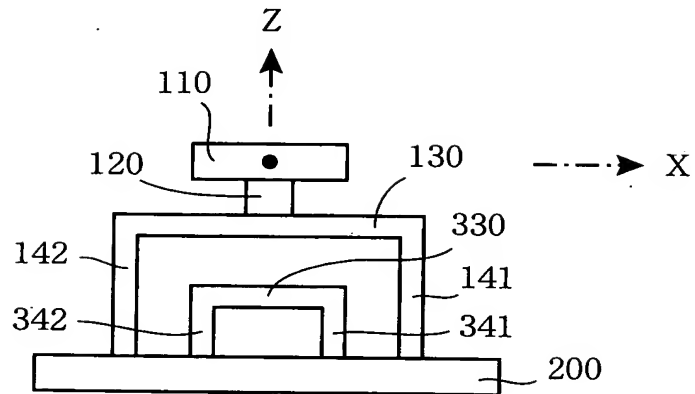


Fig.8B

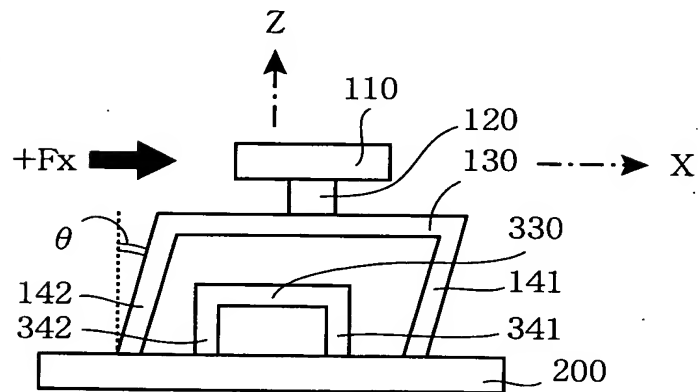
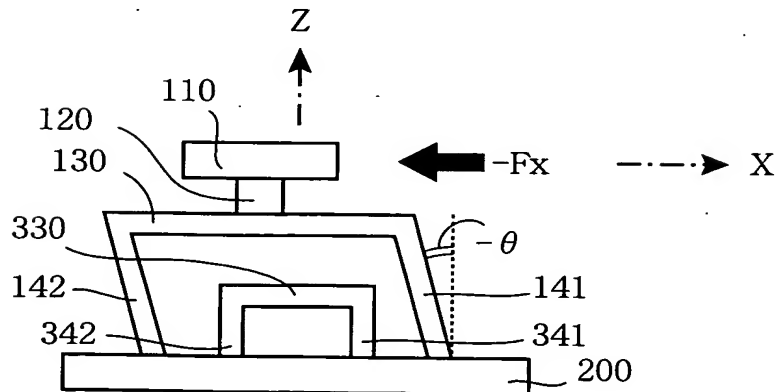


Fig.8C



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Fig.9A

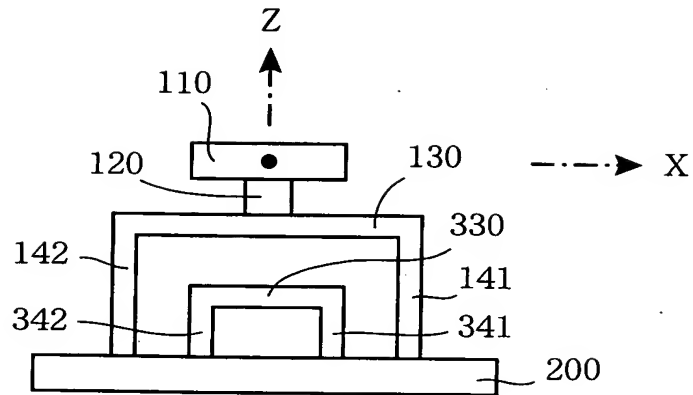


Fig.9B

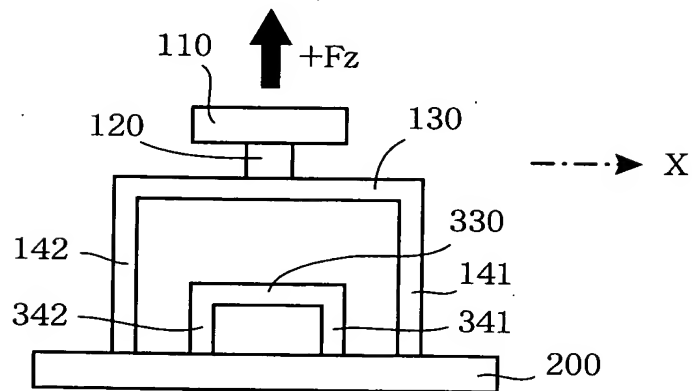
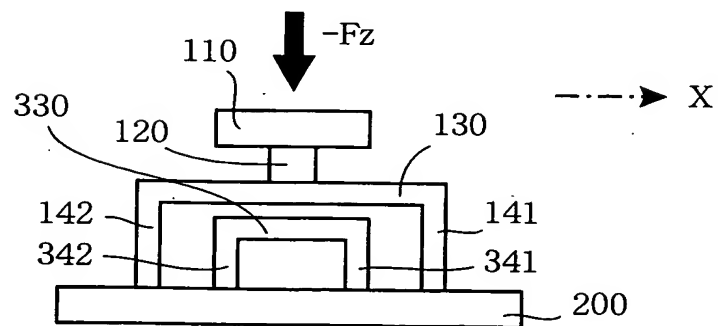


Fig.9C



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Fig.10A

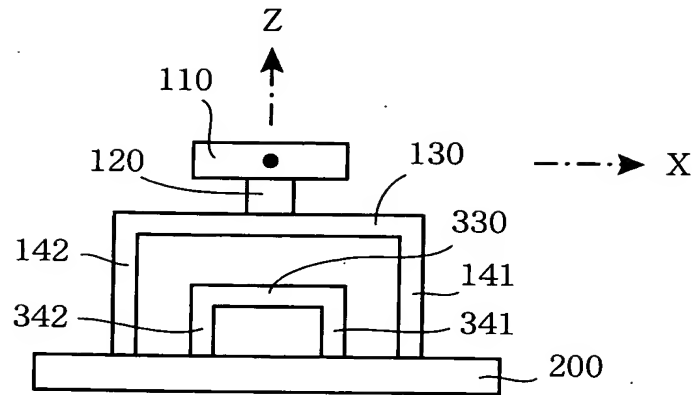


Fig.10B

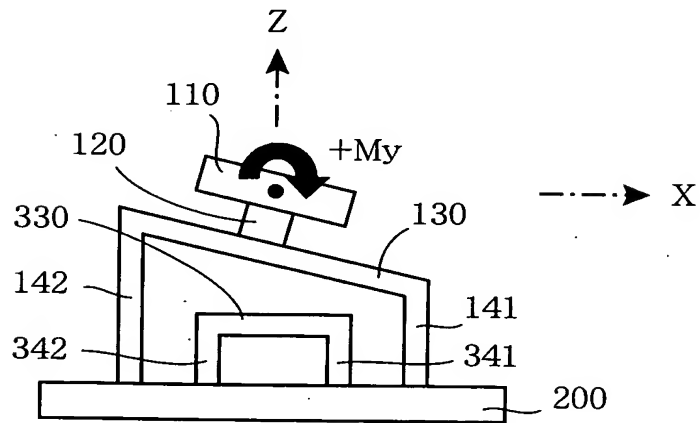
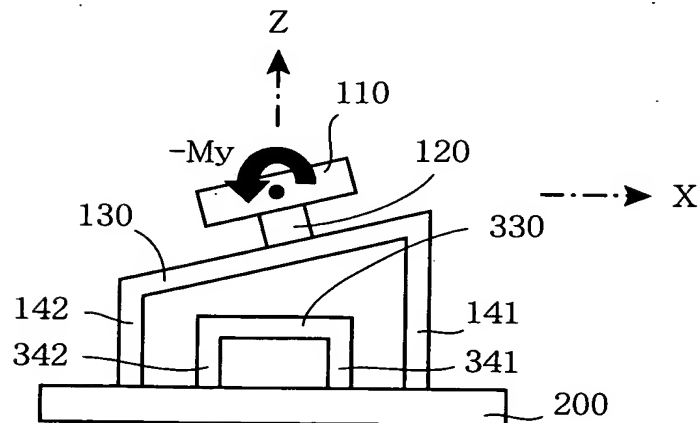


Fig.10C



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Fig.11

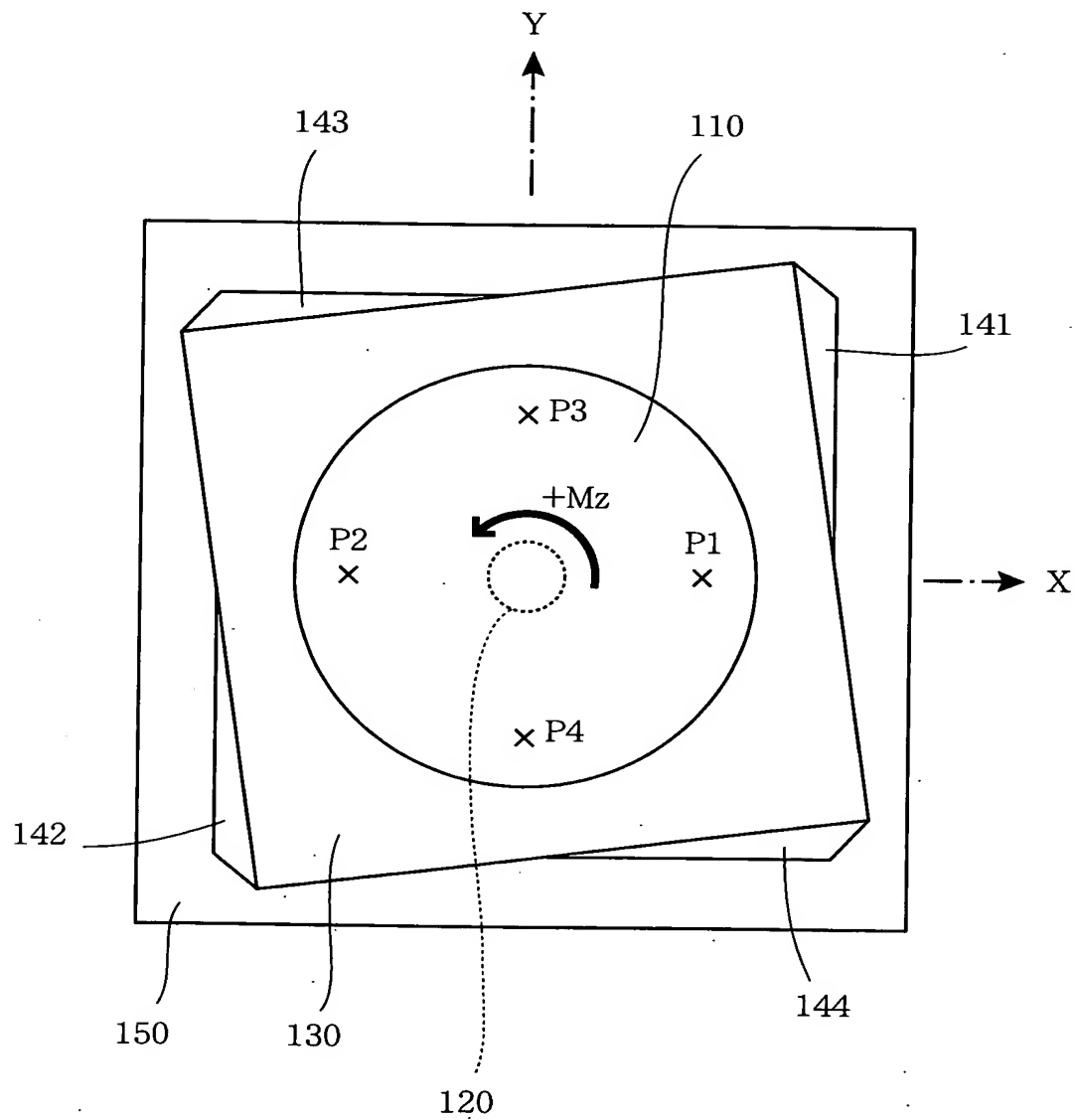
	C1	C2	C3	C4	C5	C6	C7	C8	C9
+Fx	0	0	0	0	0	-	+	0	0
-Fx	0	0	0	0	0	+	-	0	0
+Fy	0	0	0	0	0	0	0	-	+
-Fy	0	0	0	0	0	0	0	+	-
+Fz	-	-	-	-	-	0	0	0	0
-Fz	+	+	+	+	+	0	0	0	0
+Mx	0	0	-	+	0	0	0	0	0
-Mx	0	0	+	-	0	0	0	0	0
+My	+	-	0	0	0	0	0	0	0
-My	-	+	0	0	0	0	0	0	0

Fig.12

$$\left\{ \begin{array}{l}
 F_x = C_7 - C_6 \\
 F_y = C_9 - C_8 \\
 F_z = -C_5 \\
 \left(\begin{array}{l} \text{OR } F_z = -(C_1 + C_2 + C_3 + C_4 + C_5) \\ \text{OR } F_z = -(C_1 + C_2 + C_3 + C_4) \end{array} \right) \\
 M_x = C_4 - C_3 \\
 M_y = C_1 - C_2
 \end{array} \right.$$

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Fig.13



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Fig.14A

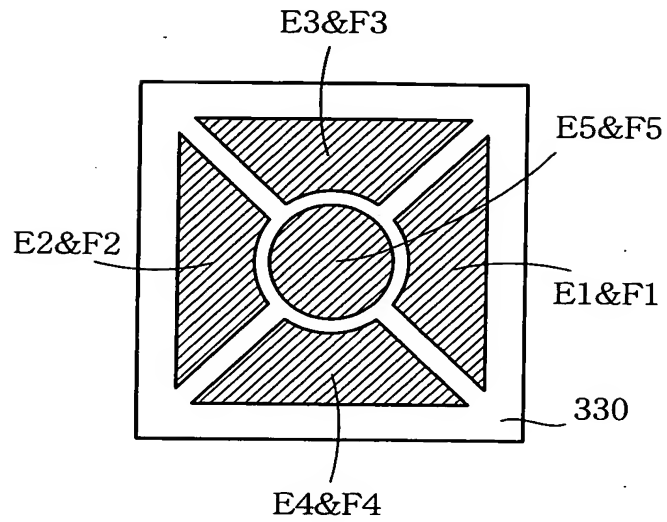


Fig.14B

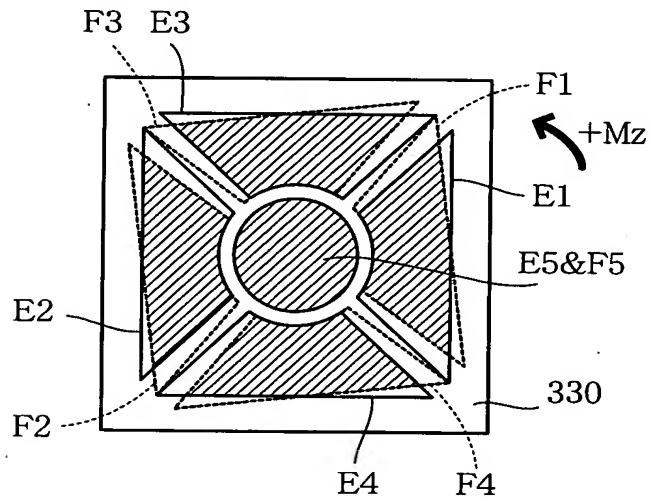
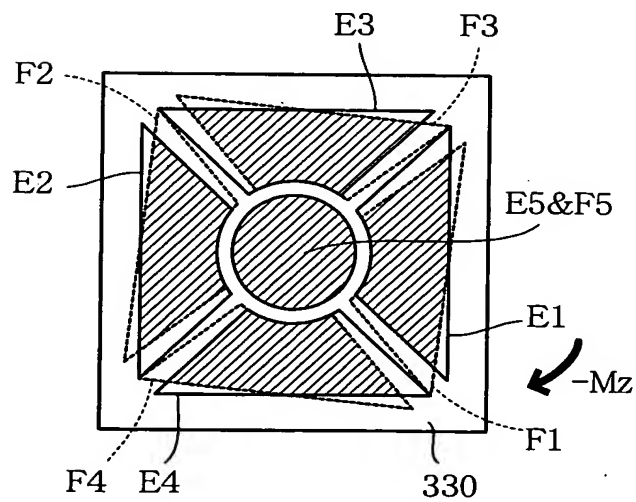


Fig.14C



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Fig.15A

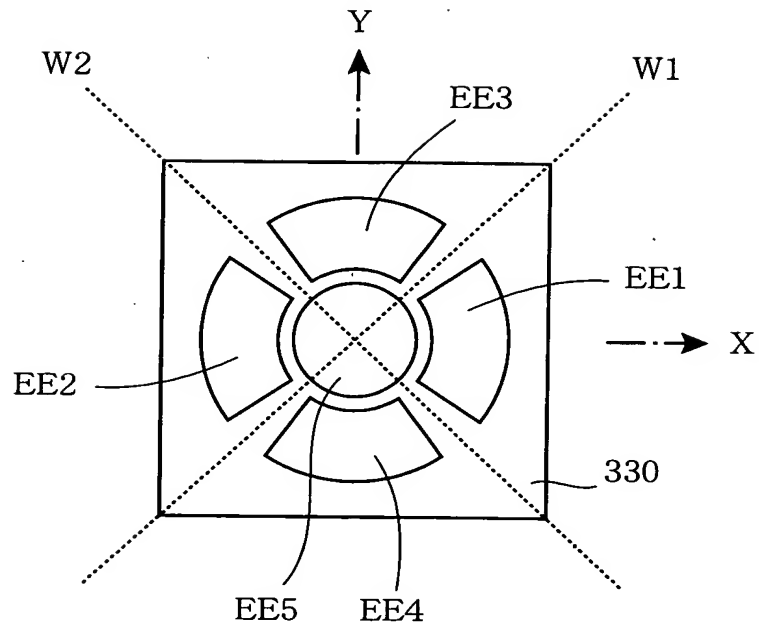
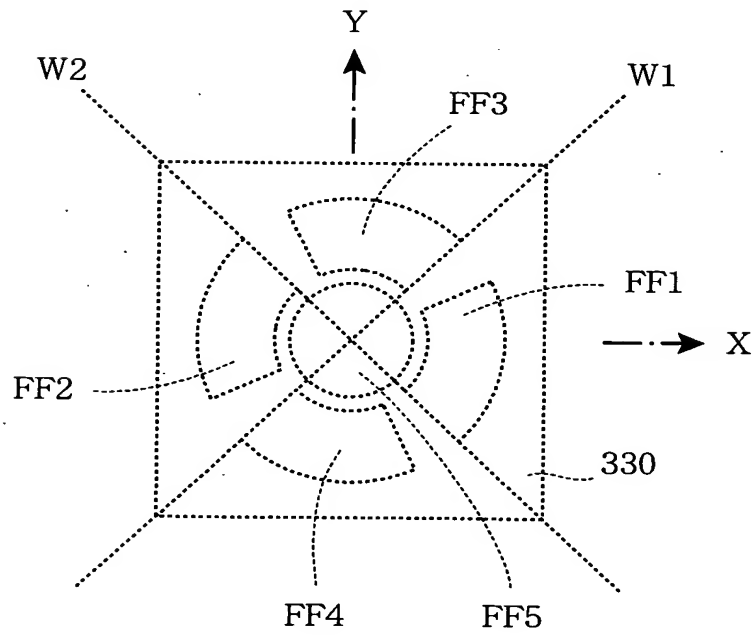


Fig.15B



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Fig.16A

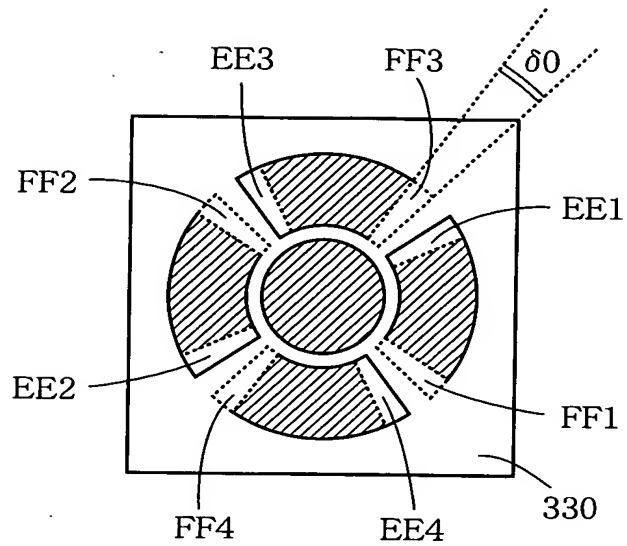


Fig.16B

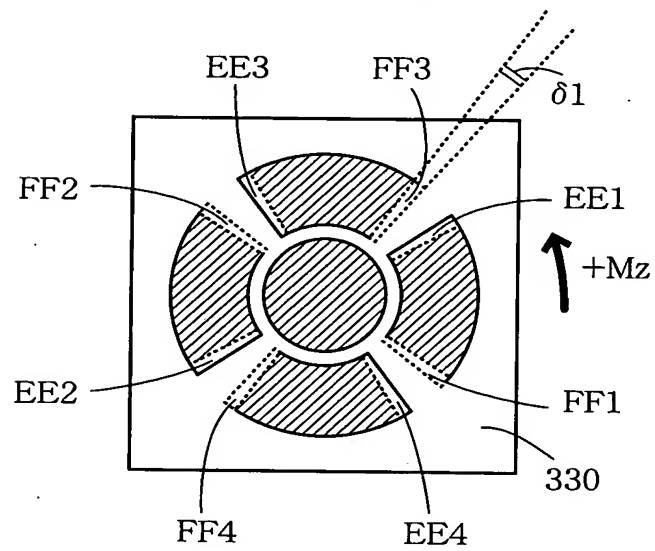
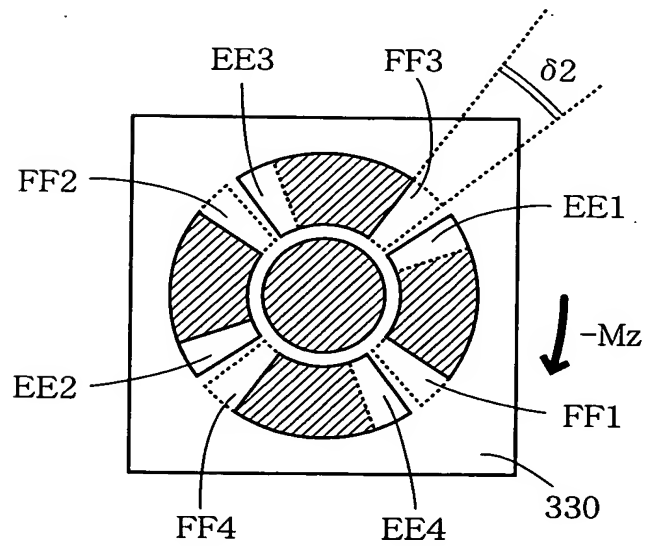


Fig.16C



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Fig.17

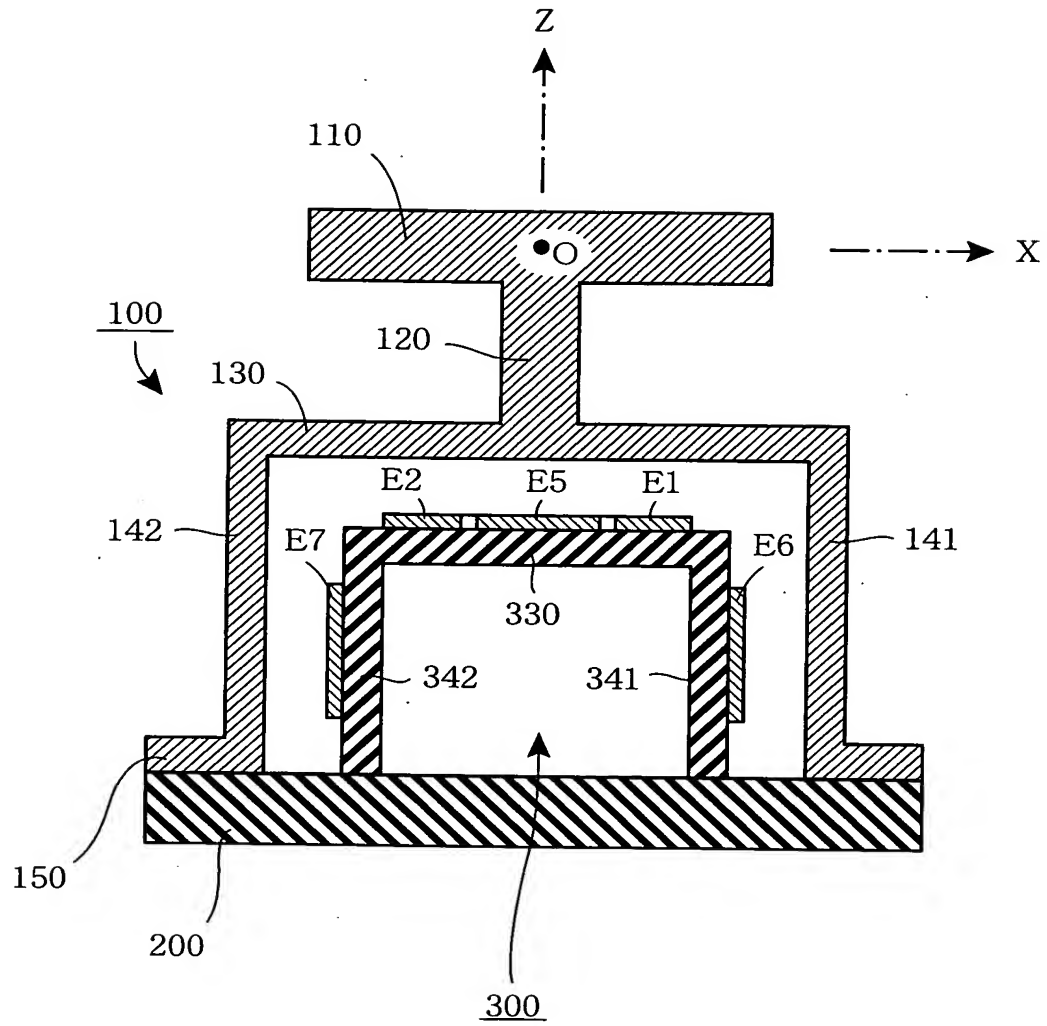
	C1	C2	C3	C4	C5	C6	C7	C8	C9
+Fx	0	0	0	0	0	-	+	0	0
-Fx	0	0	0	0	0	+	-	0	0
+Fy	0	0	0	0	0	0	0	-	+
-Fy	0	0	0	0	0	0	0	+	-
+Fz	-	-	-	-	-	0	0	0	0
-Fz	+	+	+	+	+	0	0	0	0
+Mx	0	0	-	+	0	0	0	0	0
-Mx	0	0	+	-	0	0	0	0	0
+My	+	-	0	0	0	0	0	0	0
-My	-	+	0	0	0	0	0	0	0
+Mz	+	+	+	+	0	0	0	0	0
-Mz	-	-	-	-	0	0	0	0	0

Fig.18

$$\left\{ \begin{array}{l}
 F_x = C_7 - C_6 \\
 F_y = C_9 - C_8 \\
 F_z = -C_5 \\
 \left(\begin{array}{l} \text{OR } F_z = -(C_1 + C_2 + C_3 + C_4 + C_5) \\ \text{OR } F_z = -(C_1 + C_2 + C_3 + C_4) \end{array} \right) \\
 M_x = C_4 - C_3 \\
 M_y = C_1 - C_2 \\
 M_z = C_1 + C_2 + C_3 + C_4 - f(F_z)
 \end{array} \right.$$

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Fig.19



A cross-sectional view of a semiconductor device 100. The device features a substrate 200 with a base layer 150. A central region 300 contains a core 330 surrounded by a layer 341, which is further enclosed by a layer 342. This core is flanked by regions EE1 and EE2, and EE5. The core is surrounded by a frame 141, which is further enclosed by a layer 142. The frame 141 is connected to a base layer 160. The base layer 160 is connected to a central region 120, which is further connected to a top layer 110. The top layer 110 has a central opening 110. A Z-axis arrow points upwards, and an X-axis arrow points to the right.

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Fig.22

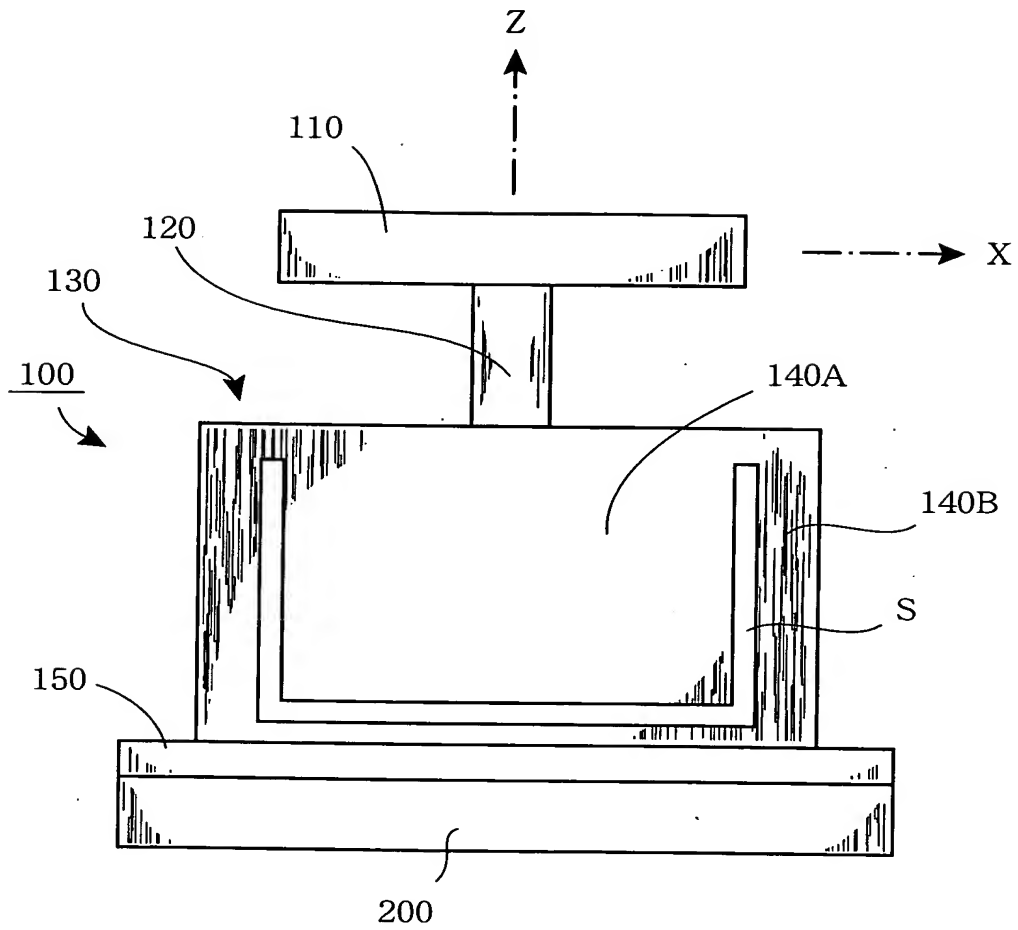


Fig.23

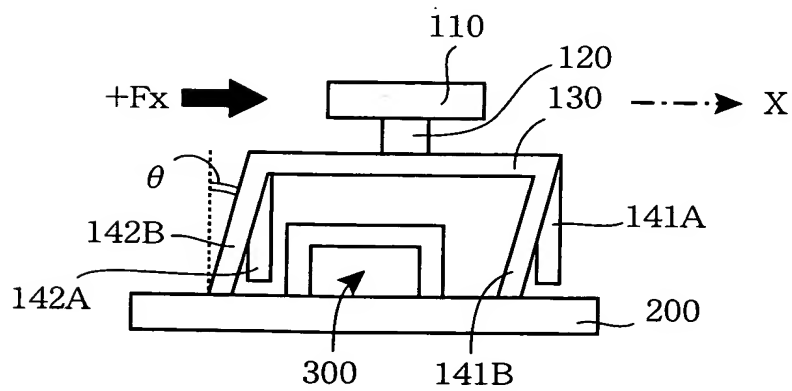
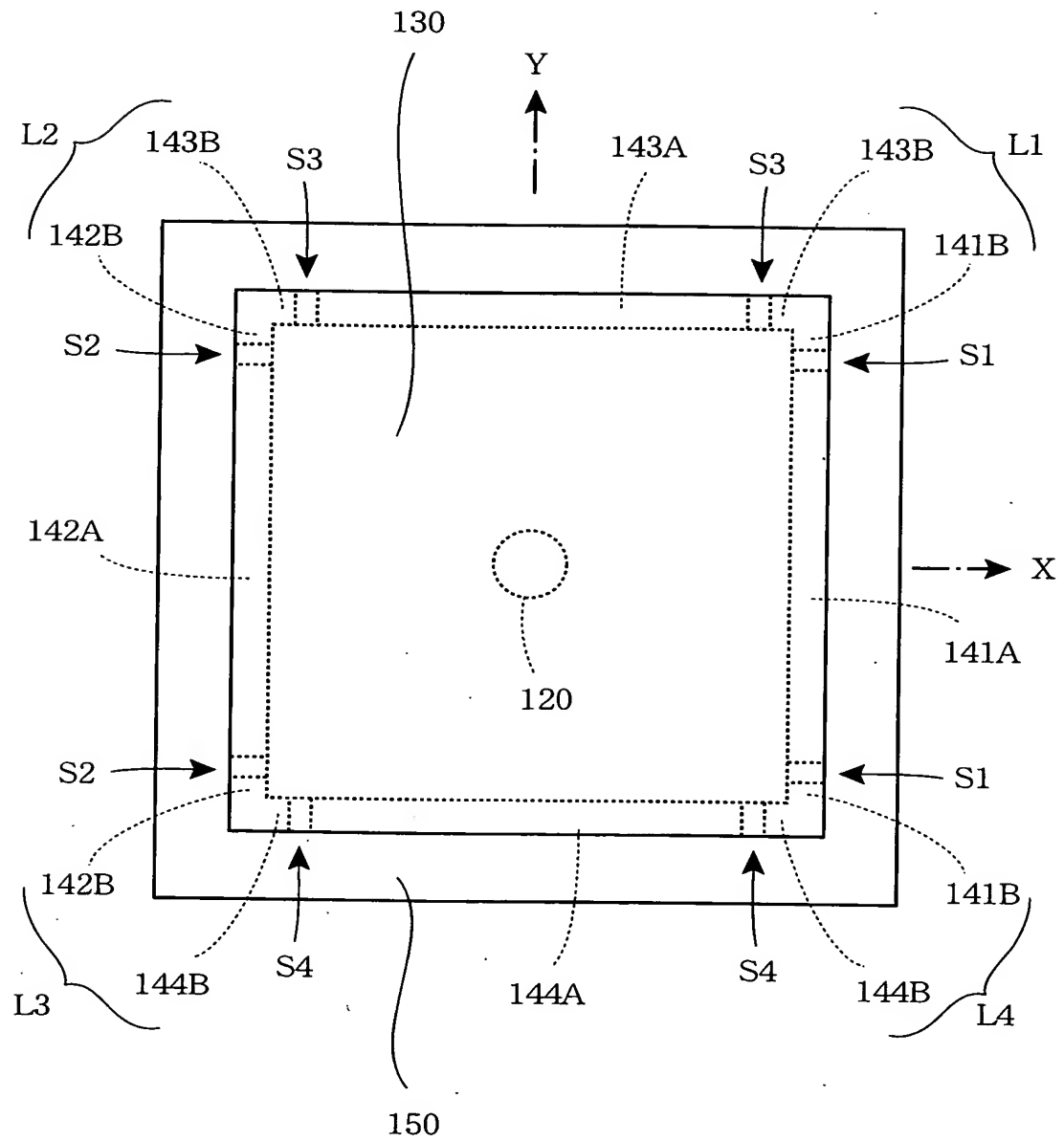
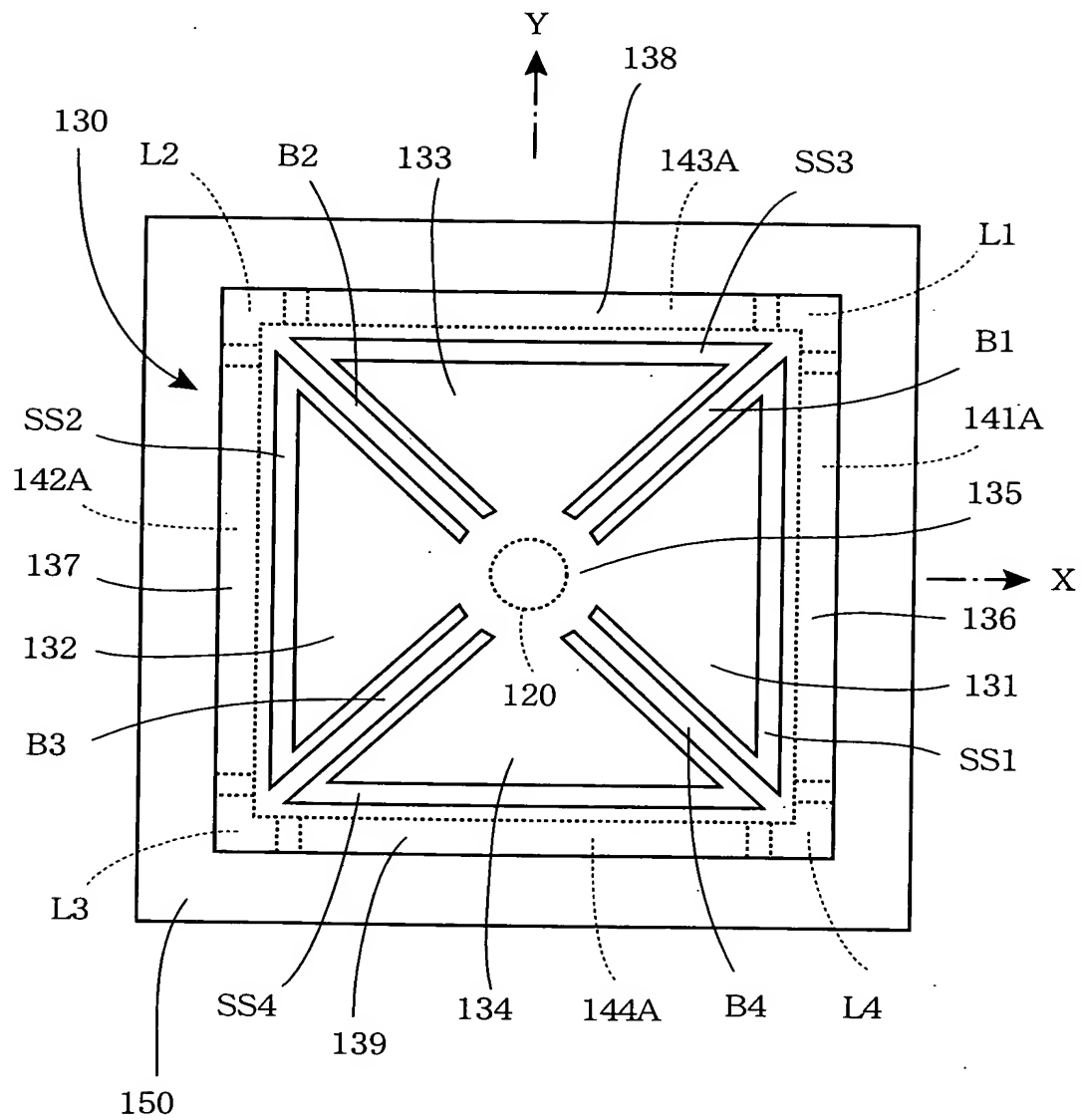


Fig.24



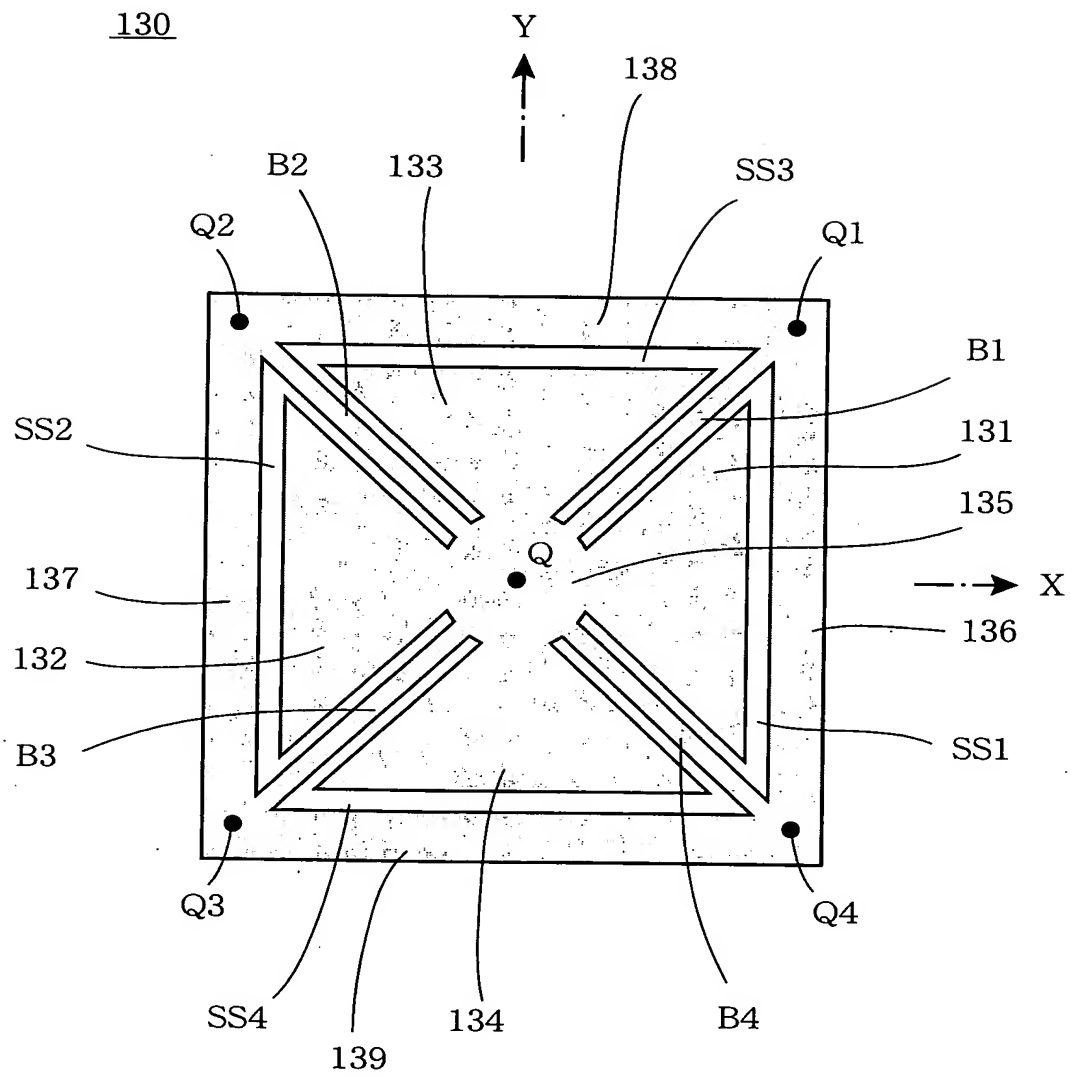
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Fig.25



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Fig.26



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Fig.27

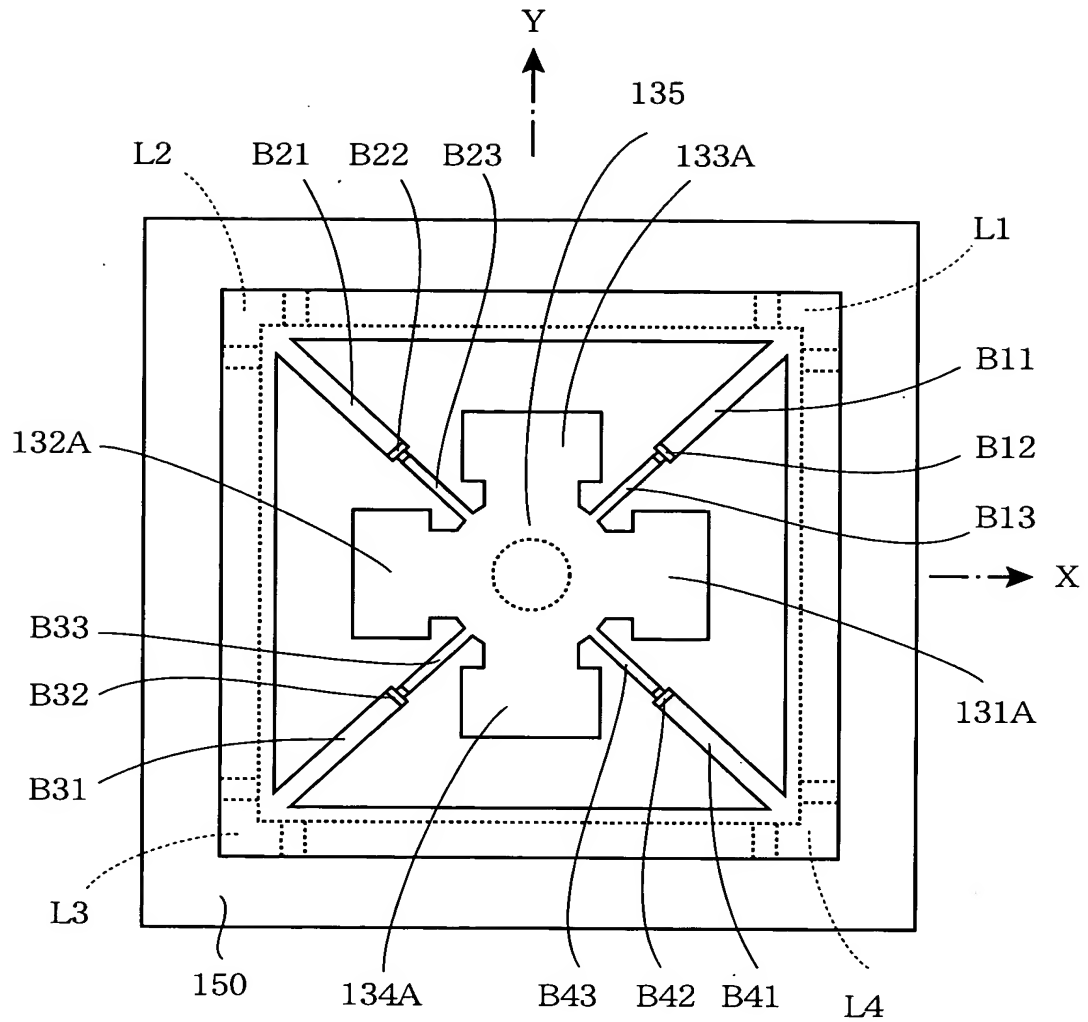
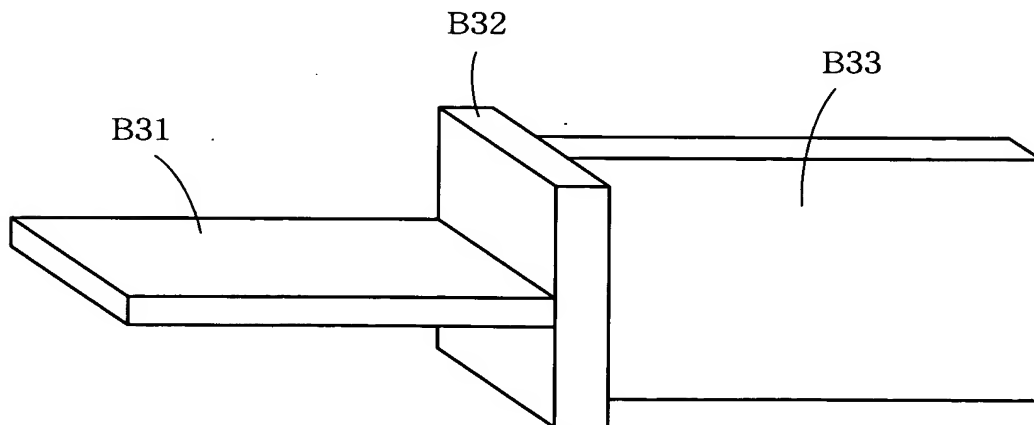
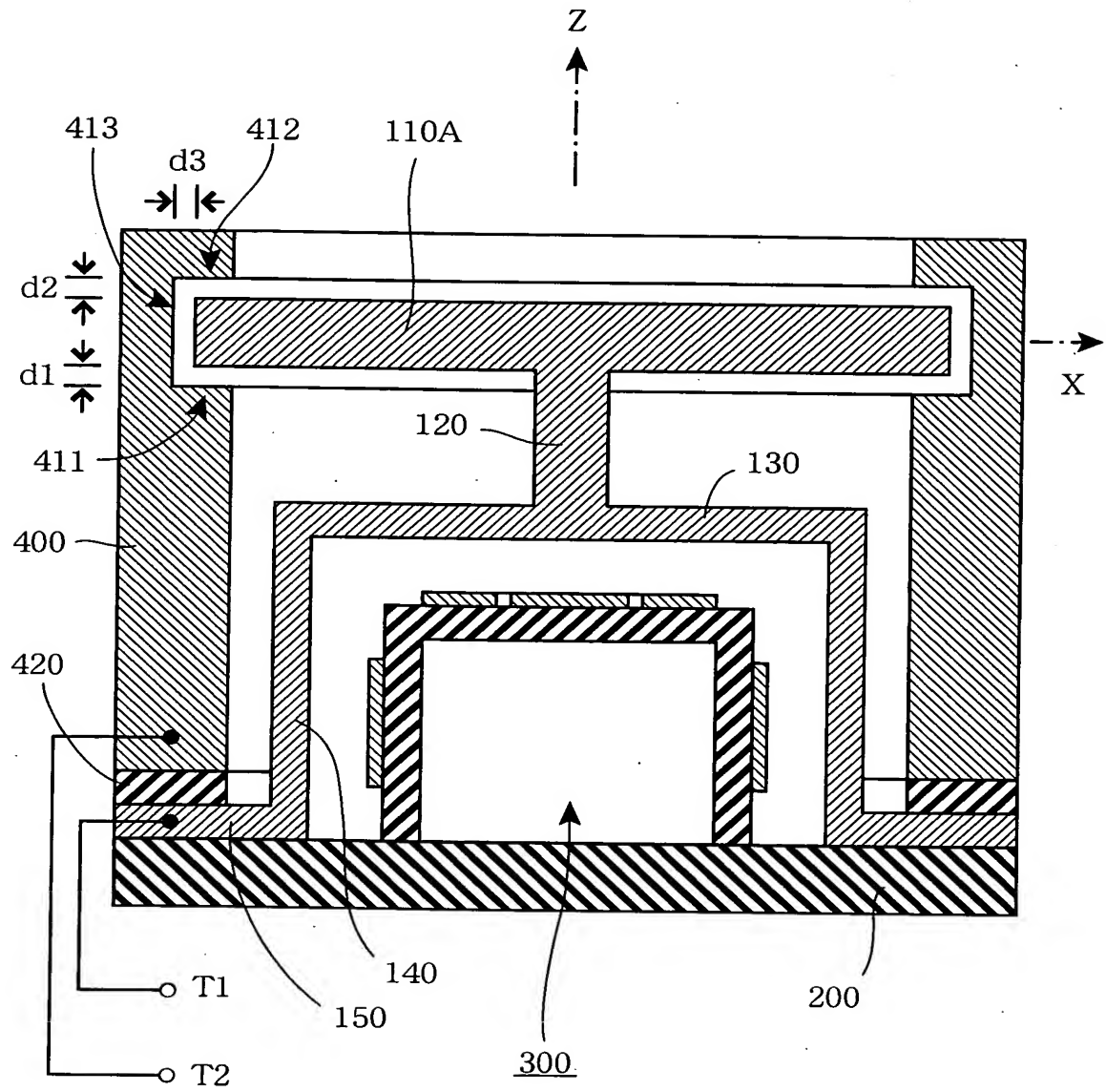


Fig.28



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Fig.29



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Fig.30A

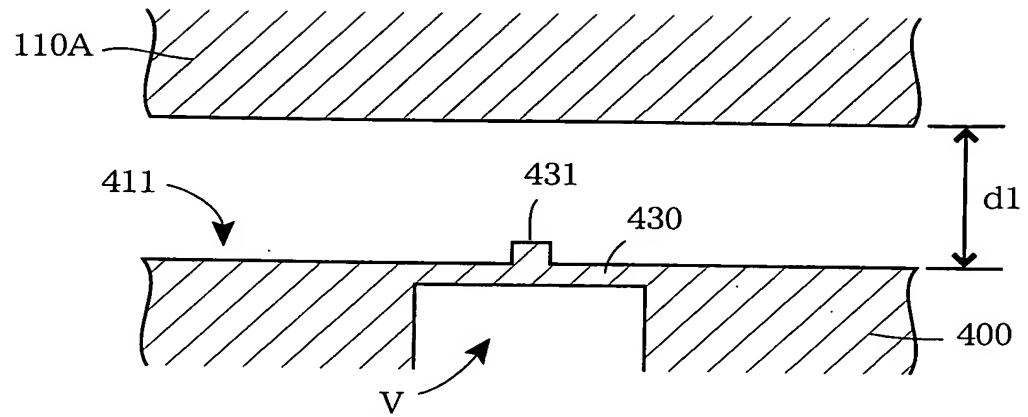


Fig.30B

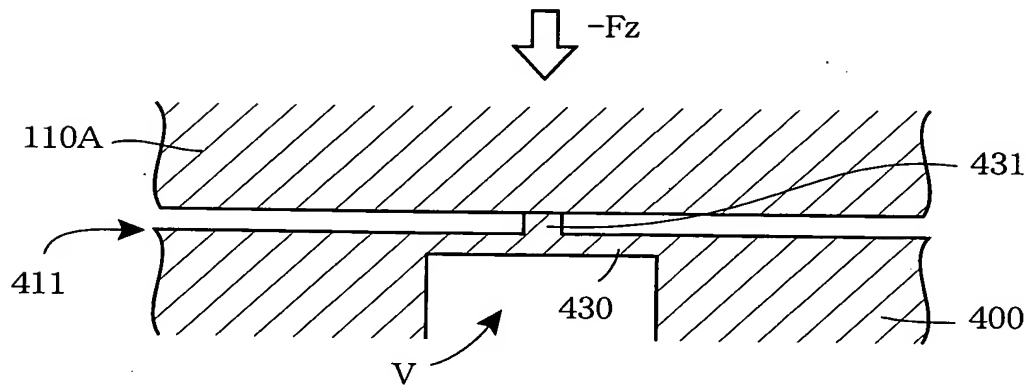
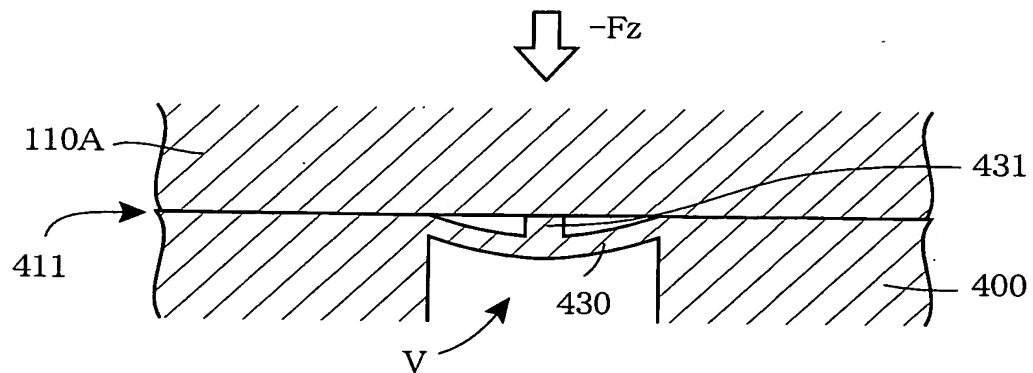


Fig.30C



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Fig.31A

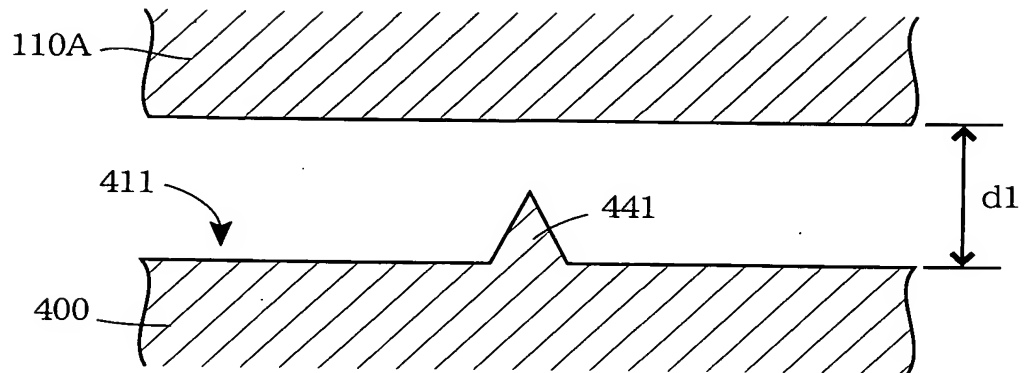


Fig.31B

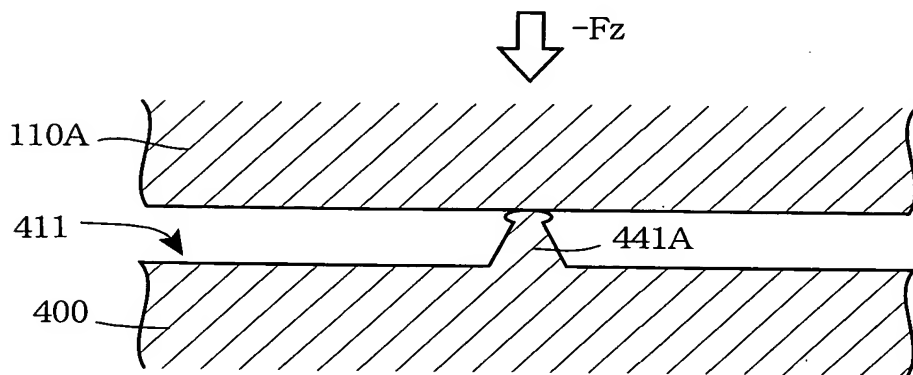
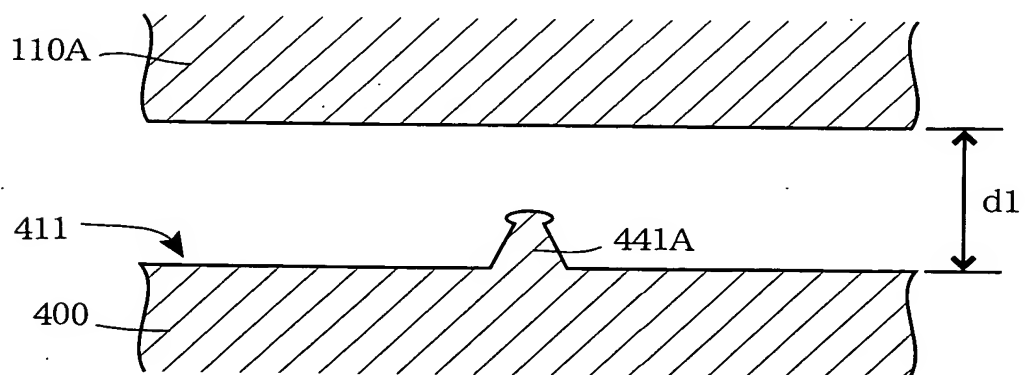


Fig.31C



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Fig.32

